

Amendments to the Specification

Please replace the Title with the following rewritten Title:

METHOD, SYSTEM, AND PROGRAM FOR MANAGING DATA ~~ORGANIZATION~~ TRANSFER
AND CONSTRUCTION

Please replace paragraph [0019] with the following rewritten paragraph [0019] :

[0019] In certain implementations, the storage processor 109 performs certain functions to assist the computer 102 in reading data from or writing data to the storage 108. For example, the storage processor 109 may have software, firmware or hardware or combinations of these to translate Logical Block Addressing (LBA) addresses from the computer 102 to cylinder, head and sector specifications of the disk drives 150a, 150b ... 150n. In addition, the storage processor 109 includes a data construction manager 130 which manages the reconstruction of data in the event of drive failure or other data loss. In addition, the construction manager 130 can manage the construction of new parity data when updating old data with new data.

Please replace the paragraph [0034] with the following rewritten paragraph [0034]:

[0034] FIG. 10 illustrates another embodiment of operations of the construction manager 130 in which new parity data is constructed to replace old parity data when updating old data with new data. Upon resetting the store queue 200, a block of the new data for a stripe n may be read from the host 102 and stored in the store queue 200 in a first read operation 400. This data transfer may be accomplished as a DMA transfer in one embodiment as discussed above. The new data may be also be transferred from the store queue 200 to the local memory 172 in a first write operation 402. The old data may be transferred from a disk drive such as the disk drive 150a in second read operation 404. The block of old data from the drive 150a is Exclusive-OR'ed with the block of new data previously stored in the store queue 200, and stored as an intermediate result in the store queue 200[].